

(2) 22.003 072

XP-002251821

AN - 2002-285087 [33]

AP - JP20000109803 20000411

CPY - ASAG

DC - L01 L03 P85 T03

FS - CPI;GMPI;EPI

IC - C03C3/087 ; C03C3/093 ; G09F9/30 ; G11B5/73

MC - L01-A01 L01-A01B L01-A01C L01-A03A L01-A03C L01-A05 L01-L04 L03-G05
- T03-A01B1A T03-A01C1A

PA - (ASAG) ASAHI GLASS CO LTD

PN - JP2001294441 A 20011023 DW200233 C03C3/093 007pp

PR - JP20000109803 20000411

XA - C2002-083741

XIC - C03C-003/087 ; C03C-003/093 ; G09F-009/30 ; G11B-005/73

XP - N2002-222874

AB - JP2001294441 NOVELTY - Glass contains (in mass%) silica (59-72), alumina (1-15), boron trioxide (0-3), magnesium oxide (0.5-9), calcium oxide (0.5-11), strontium oxide (0-6), barium oxide (0-5), titanium dioxide (0-6), zirconium oxide (0.5-10.5), lithium oxide (0-3), sodium oxide (0-9) and potassium oxide (4-21). The specific gravity of glass is less than 2.6.

- DETAILED DESCRIPTION - Glass contains (in mass%) silica (59-72), alumina (1-15), boron trioxide (0-3), magnesium oxide (0.5-9), calcium oxide (0.5-11), strontium oxide (0-6), barium oxide (0-5), titanium dioxide (0-6), zirconium oxide (0.5-10.5), lithium oxide (0-3), sodium oxide (0-9) and potassium oxide (4-21). The total content of oxides of magnesium, calcium, strontium and barium is 4-19 mass%, and oxides of lithium, sodium and potassium is 10-22 mass%. The difference of content of silica and alumina is 50% or more. The specific gravity of glass is less than 2.6.

- An INDEPENDENT CLAIM is also included for glass substrate for information recording media.

- USE - For flat panel displays, information recording media, magnetic disc, plasma display panel and field emission display (FED).

- ADVANTAGE - The glass has excellent weather resistance, high glass transition point. Generation of cracks on the surface is prevented. Mass production of glass substrate is enabled.

- (Dwg.0/0)

IW - GLASS SUBSTRATE INFORMATION RECORD MEDIUM CONTAIN SPECIFIC AMOUNT
SILICON ALUMINA BORON MAGNESIUM CALCIUM STRONTIUM BARIUM TITANIUM
ZIRCONIUM LITHIUM SODIUM POTASSIUM

IKW - GLASS SUBSTRATE INFORMATION RECORD MEDIUM CONTAIN SPECIFIC AMOUNT
SILICON ALUMINA BORON MAGNESIUM CALCIUM STRONTIUM BARIUM TITANIUM
ZIRCONIUM LITHIUM SODIUM POTASSIUM

NC - 001

OPD - 2000-04-11

ORD - 2001-10-23

PAW - (ASAG) ASAHI GLASS CO LTD

TI - Glass for substrates used in information recording medium, contains specific amount of oxides of silicon, alumina, boron, magnesium, calcium, strontium, barium, titanium, zirconium, lithium, sodium and

-----ssium